

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	((20070180991).PN.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/10 14:15
L2	1	L1 and local\$7 same sinter\$5	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:16
L3	1	L1 and local\$7 same sinter\$5 same laser	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:16
L4	1	L1 and local\$7 same sinter\$5 and laser	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:16
L5	1	L1 and local\$7 same sinter\$5 same underlying adj (support substrate)	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:21
L6	2	L1 and ((lean "10%" "10.percent." "10") with hydrogen)	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:26
L7	23759	((427/229,245,246,250,309,327,328,250,533,554,555,556,561,566,576,596,597) or (148/514,519,520,521,525,527) or (428/34.1,34.6,35.8,35.9,36.6,36.7,586,613,617,668,669,673) or (96/10,11) or (95/56) or (55/524)).CCLS.	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/10 14:39
L8	28	(hydrogen "H.sub.2" "H.u/c.") same membrane same ("Pd.m/c." "Ag.m/c." "PdAg.m/c." palladium silver) same (laser (metal metallic aerosol metalorganic organometal\$5)near3 (ink paste slurry))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39

L9	761	(hydrogen "H.sub.2" "H.u/c.") same membrane same ("Pd.m/c." "Ag.m/c." "PdAg.m/c." palladium silver) and (laser (metal metallic aerosol metalorganic organometal\$5)near3 (ink paste slurry)) not L8	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L10	48	L7 and L9	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L11	713	L9 not L10	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L12	5	L10 and polish\$5	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L13	21	L11 and (polish\$5 same (shot adj preen\$5 ion adj (beam bombardment) plasma PVD PEOvD vapor adj deposit \$5))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L14	21	L11 and ((laser (electron energy light energetic) adj (beam ray))with (transfer MAPLE MAPLEDW LIFT write wrtting))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L15	78	L11 and ((laser (electron energy light energetic) adj (beam ray))with (anneal\$5 heat\$5 RTP RTA sinter\$5 bond \$5 seal\$5))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L16	56	L15 not (L13 or L14)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L17	173	L8 or L10 or L12 or L13 or L14 or L15 or L16	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39

L18	22	L17 and (etch\$5 with (acid nitric hydrochloric pickling HCl HNO3 "HNO.sub.3"))	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L19	36	(Chellappa-anand\$).IN.	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L20	4	(vencill-Thomas\$).IN.	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L21	6	(Miller-Doyle\$).IN.	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L22	209	L8 or L10 or L12 or L13 or L14 or L15 or L16 or L18 or (L19 or L20 or L21)	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:39
L23	11	L22 and @pd>"20110317"	US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 14:41
L24	50	(hydrogen "H.sub.2" "H.u/c." H2) same membrane same (Pd Ag PdAg AgPd palladium silver) same (laser (metal metallic aerosol metalorganic organometal\$5) near3 (ink paste slurry))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:13
L25	22	L24 not L8	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:13
L26	973	(hydrogen "H.sub.2" "H.u/c." H2) same membrane same (Pd Ag PdAg AgPd palladium silver) and (laser (metal metallic aerosol metalorganic organometal\$5) near3 (ink paste slurry))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:15

L27	50	L24 and L26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:15
L28	22	L27 not L8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:16
L29	3	L28 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:17
L30	19	L28 not L7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:17
L31	56	L26 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:17
L32	5	L31 not (L29 or L9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:19
L33	158	(hydrogen "H.sub.2" "H.u/c." H2) same membrane same (Pd Ag PdAg AgPd palladium silver) same3 (laser (metal metallic aerosol metalorganic organometal\$5) near3 (ink paste slurry))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:27
L34	93	L33 not (L27 or L32 or L10)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:29
L35	57	L33 and ((laser beam) with (deposit\$7 writing write written scrib\$5 coat\$5 ink paste))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:32

L36	8	L27 and ((laser beam) with (deposit\$7 writing write written scrib\$5 coat\$5 ink paste))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:32
L37	22	(L27 or L36) not L8	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:33
L38	55	L33 and ((laser (electron energy light energetic) adj (beam ray))with (anneal\$5 heat\$5 RTP RTA sinter\$5 bond \$5 seal\$5))	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:41
L39	39	(L35 or L38) not (L27 or L32 or L10 or L22)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/10 15:44

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L40	3	(hydrogen "H.sub.2" "H.u/c." H2) same membrane same (Pd Ag PdAg AgPd palladium silver) and (laser (metal metallic aerosol metalorganic organometal\$5) near3 (ink paste slurry))	UPAD	OR	ON	2011/09/10 15:55
L41	26	((427/229,245,246,250,309,327,328,250,533,554,555,556,561,566,576,596,597) or (148/514,519,520,521,525,527) or (428/34.1,34.6,35.8,35.9,36.6,36.7,586,613,617,668,669,673) or (96/10,11) or (95/56) or (55/524)).CCLS.	UPAD	OR	OFF	2011/09/10 15:55
L42	0	L41 and (hydrogen "H.sub.2" "H.u/c." H2) same membrane and (Pd Ag PdAg AgPd palladium silver) and (laser (metal metallic aerosol metalorganic organometal\$5) near3 (ink paste slurry))	UPAD	OR	ON	2011/09/10 15:57
L43	13	L41 and ((hydrogen "H.sub.2" "H.u/c." H2) same membrane) or ((Pd Ag PdAg AgPd palladium silver) and (laser same (Pd Ag PdAg AgPd palladium silver metal metallic aerosol metalorganic organometal\$5) near3 (ink paste slurry)))	UPAD	OR	ON	2011/09/10 15:59
L44	13	L43 not L40	UPAD	OR	ON	2011/09/10 15:59

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